



# Samsung Epic 4G Keyboard Replacement

Instructions for replacing a dysfunctional QWERTY keyboard.

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## INTRODUCTION

This guide details how to install a new keyboard into your Samsung Epic 4G. Directions are provided for both disassembly and reassembly.



### TOOLS:

- [Phillips #000 Screwdriver](#) (1)
- [Spudger](#) (1)



### PARTS:

- [OEM Samsung Galaxy S Epic 4G SPH-D700 QWERTY Keypad](#) (1)

## Step 1 — Phone Case



- Power off the phone using the "Power Button" located on the left side of the phone.
- Remove back panel of phone by sliding your fingernail along the edge of the device. The rear plastic panel will snap off from the remainder of the device.

## Step 2 — Battery



- Remove the battery from the device by pulling up on the battery edge.



### Step 3 — Removing the Memory Card:



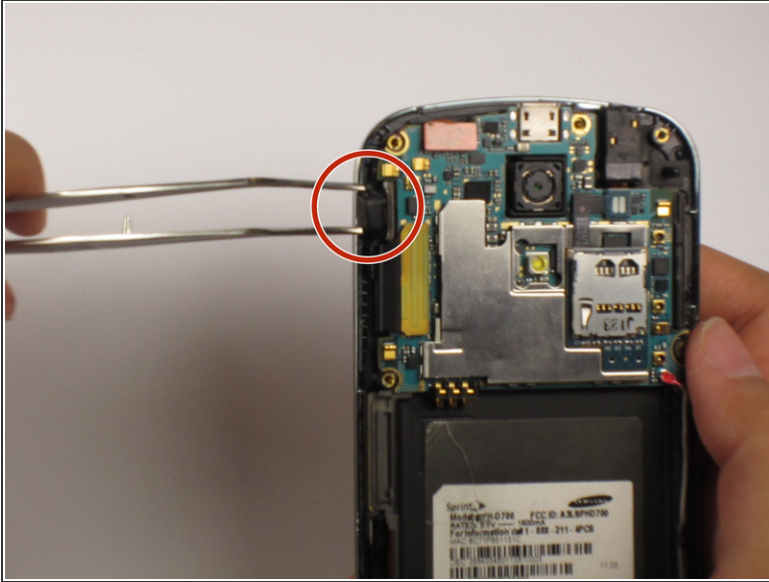
- Remove the memory card from the device by gently sliding it out of its holder.

### Step 4 — Removing the Back Housing



- Using the Phillips screwdriver, remove the seven screws from the back of the phone.
- Using a prying tool, separate the back housing from the silver trim around the phone.
- ☑ While separating the two pieces, most of the buttons (including the power button) will fall out. Be sure to keep track of the buttons and use them for reassembly.

## Step 5 — Removing the Power Button



- Using the tweezers carefully remove the power button.
- ❗ At this point, you can replace the button with a new one.

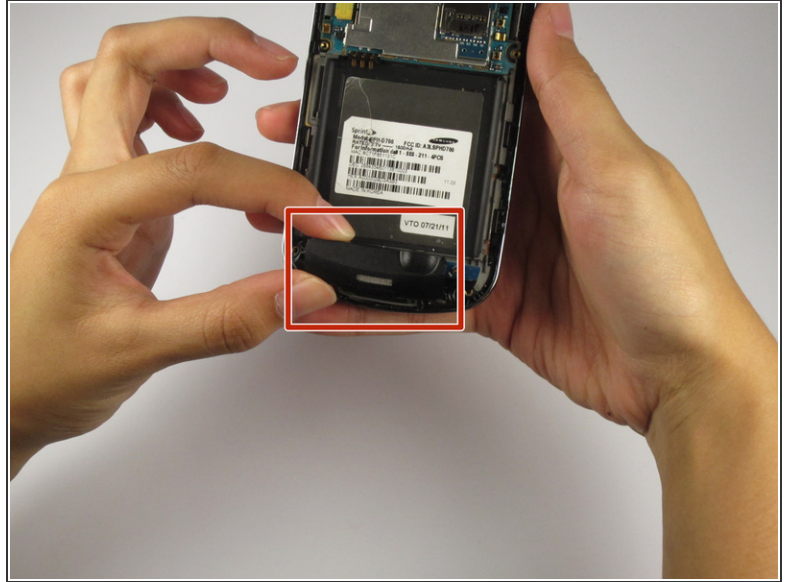
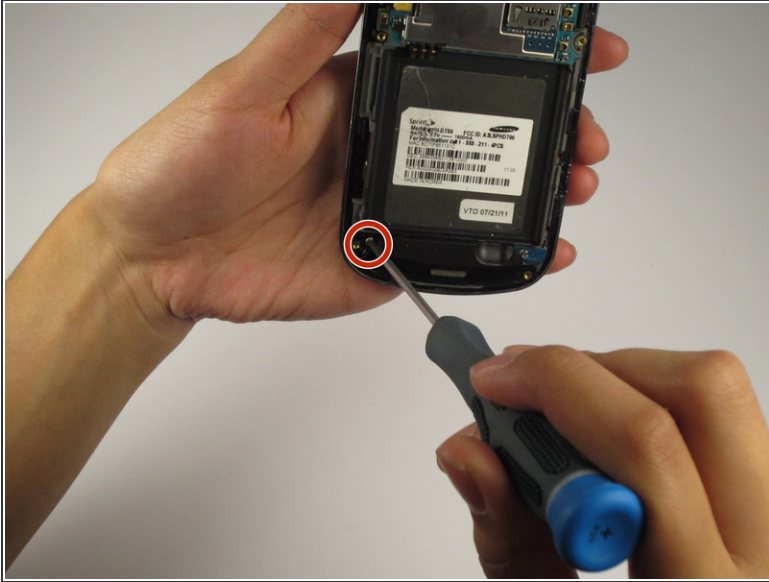
## Step 6 — Micro USB Port



- Using the prying tool, carefully remove the white cable on the right side of the phone (next to the battery housing).
- Carefully pull out both ends of the antenna. The two ends should easily snap out of place and should not be ripped out.

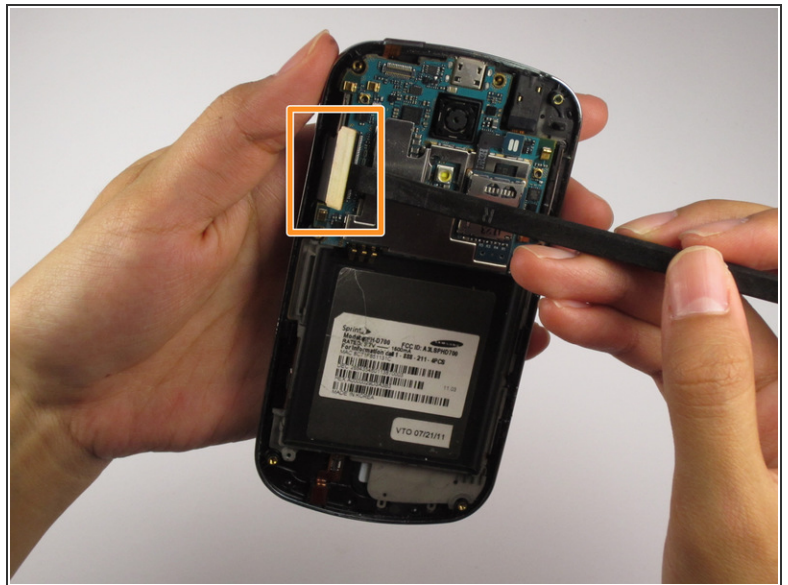
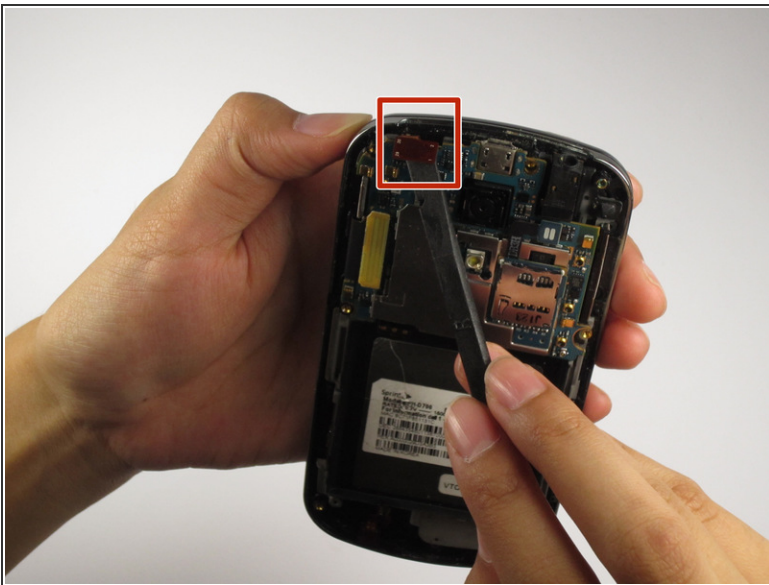


## Step 7 — Removing the Antenna Assembly



- Using a Phillips screwdriver, remove the screw holding the antenna assembly in place.
- Once the screw has been removed, snap the antenna assembly out from the device.

## Step 8 — Removing the Flex Cable



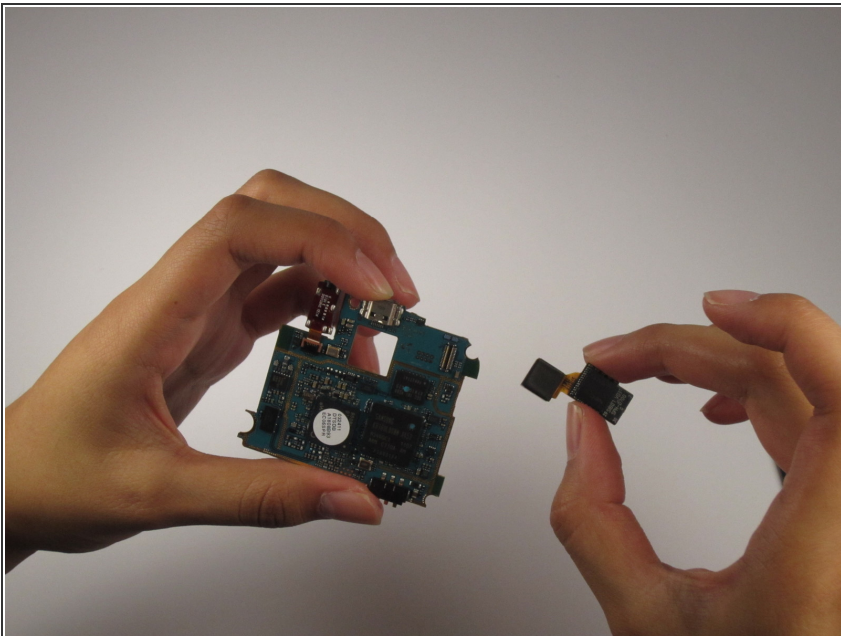
- Using the prying tool, carefully lift and snap off the flex cable from the top of the phone.
- Repeat this step for the larger flex cable located on the left side of the device.

## Step 9



- Using the prying tool, lift and remove the motherboard from the phone.
- ⓘ The USB port is located at the top of the motherboard. At this point, you can remove and replace the port with a new one.

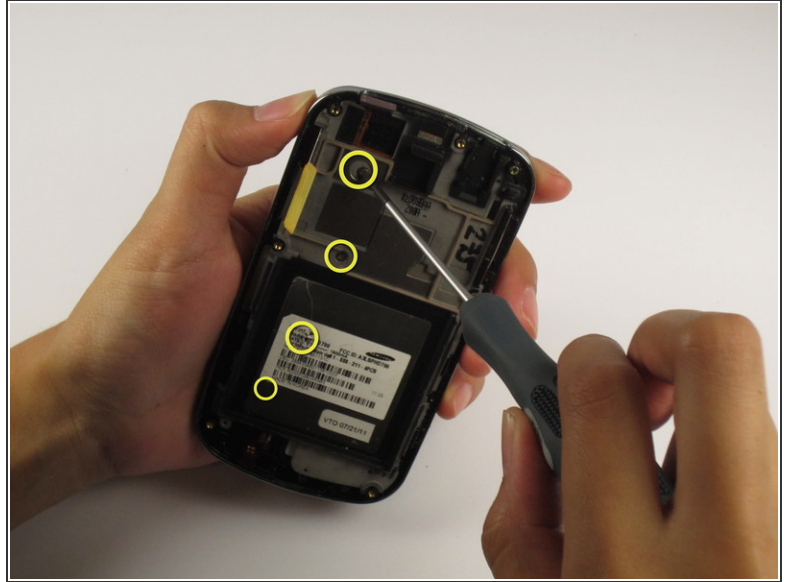
## Step 10 — Camera Lens



- ⓘ At this point you can remove and replace the Camera Lens.



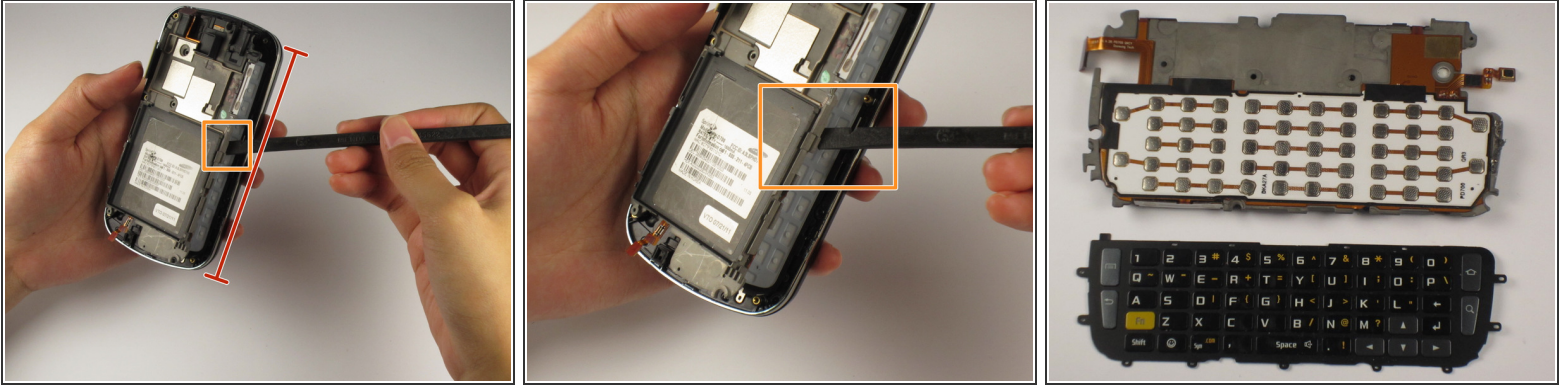
## Step 11 — Keyboard



- Remove the white label/sticker.
  - You may choose to only remove the top left corner of the label (the only place a screw is covered by the label).
- Remove the four screws on the left hand side of the back-side of the device. Two of the screws are found behind where the white label was located, two are found directly above the label. You can remove the screws with a small Phillips screwdriver.



## Step 12



- Using a prying tool, lift up and loosen the metallic silver trim on the perimeter of the phone.
- With the prying tool, carefully remove the gray mid-plate.
  - ⚠ Take extra caution to not destroy the QWERTY keyboard, which lies directly behind the mid-plate. Do not slide open the phone at this time.
- The mid-plate should be completely removed, for the keyboard to be completely separated from the device.
- ⓘ At this point, you may remove the original QWERTY keyboard and install a replacement keyboard. Installation is the reverse of removal.

To reassemble your device, follow these instructions in reverse order.

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